



## Silkscreening Oil No 238 for the Heraeus Matt-Gold-System for ceramic

### 1 General Information

Silkscreening Oil No 238 is the special medium worked out for the pasting of the underlays used in the Heraeus Matt Gold System for ceramic.

The Heraeus Matt Gold System for decals is a decoration system where a bright gold or platinum decal paste is partly printed on a special matt underlay. The bright gold on top of the underlay shows a silk matt golden finish, the bright gold directly resting on the glaze shows the typical bright finish. Being a system for decal application the effect is reached with only one firing.

For a successful firing result the silkscreening oil used for the pasting of the matt underlay needs to offer certain firing properties. No 238 had been special developed for the Heraeus Matt Gold System.

### 2 Recommendations for the usage

For the pasting of the lead containing underlay H 5234 we recommend a mixing ratio of 100 : 35-40 parts by weight (underlay : silkscreening oil). For the pasting of the lead free underlay H 55033 we recommend a mixing ratio of 100 : 40-45 parts by weight.

Please take care for a good homogenization of the paste. For an optimal homogenization of the underlay paste we recommend the usage of a triple roll mill.

For the printing of the underlay we recommend the usage of a 130-34 polyester screen.

The printed underlay needs at room temperature (20°C) a minimum drying time of 3 to 4 hours. The maximum drying time is 24 hours. The surface of the underlay has to be "touch dry", that means, one should not be able to blur it by hand, but in the same time it should not be completely dry, so that the underlay might already be brittle.



### 3 Storage

Silkscreening Oil No 238 should be stored at room temperature (20°C). We recommend using the material within 12 months time.

### 4 Safety data information

For safety data information please check our Safety Data Sheet for Silkscreening Oil No 238.